

CLAIMS

1. A system (10) for projecting light elements in the air, comprising:

- a casing (12) connected to a reservoir (20) containing the light elements and comprising an opening (13) extending  
5 along a determined direction;

- a slide (48) capable of sliding in the opening along the determined direction;

- a striker (30) arranged in the opening and fixed with respect to the casing;

10 - means (46) for sliding the slide in the opening;

- means (56, 93) for blocking the slide with respect to the casing in a stop position;

- a compressed gas cartridge (72) capable of being slid along with the slide and, when the slide is blocked in the  
15 stop position, of being projected against the striker to be opened by the striker; and

- means (26, 52) for leading the gases released on opening of the cartridge towards the reservoir.

2. The projection system (10) of claim 1, comprising:  
20 ing:

- additional means (68, 70, 93) for blocking the slide (48) with respect to the casing (12) in an arming position in which the slide is more distant from the striker (30) than in the stop position; and

25 - means (86, 88) for releasing the slide to slide into the opening (13) from the arming position.

3. The projection system (10) of claim 2, in which the means (46) for sliding the slide (48) are a helical spring comprising a first end connected to the casing (12) and a second  
30 end connected to the slide, the spring being compressed when the slide is in the arming position and being capable of being released to slide the slide between the arming position and the stop position.

4. The projection system (10) of claim 1, in which the opening (13) comprises a shoulder (93) for blocking the slide (48) in the stop position.

5. The projection system (10) of claim 2, in which  
5 the slide (48) comprises a body (50) and at least one reinforcing piece (68, 70) connected to the body by a leg (60, 62) extending in a determined direction, the opening (13) comprising a shoulder (93) capable of receiving the reinforcing piece to block the slide in the arming position, the leg being  
10 deformable to release the reinforcing piece from the shoulder.

6. The projection system (10) of claim 2, comprising a socket (16) arranged at one end of the opening (13), the striker (30) being fastened to the socket, the socket comprising at least one protrusion (36, 38) capable of  
15 cooperating with the slide (48) to place the slide in the arming position.

7. The projection system (10) of claim 6, in which the opening (13) is cylindrical, the socket (16) being capable of being rotated with respect to the casing (12) from a first  
20 position in which the socket prevents the sliding (48) of the slide to a second position in which the slide is free to slide.

8. The projection system (10) of claim 6, in which the reservoir (20) is fastened to the socket (16), said socket comprising openings (26) for the passing of the gases released  
25 on opening of the cartridge (72).

9. The projection system (10) of claim 2, in which the casing (12) comprises at least one flexible tab (86, 88) that can be manually actuated, capable of deforming the leg (60, 62) to release the reinforcing piece (68, 70) from the shoulder  
30 (93).

10. The projection system (10) of claim 5, comprising means for deforming the leg (60, 62) comprising a mobile arm (110, 112) having one end capable of deforming the leg and an electromagnet (122) capable of actuating the arm.